

In the Claims:

1. (Currently amended) A polishing composition for use in combination with an oxidizing agent for polishing a substrate, said composition comprising an abrasive particle having a surface on which at least one stabilizer comprising B, Al, P, or mixtures thereof and at least one catalyst are bonded, provided that the at least one stabilizer differs from the at least one catalyst, and wherein the at least one catalyst catalyzes an oxidation reaction of a per-compound oxidizing agent with a substrate during polishing.

2. (Currently amended) The composition of claim 1, further comprising:
an oxidizing agent which is a per compound; and
a medium in which the abrasive and the oxidizing agent are contained, wherein the at least one catalyst is adapted to catalyze an oxidation reaction of the oxidizing agent with a substrate.

3. (Original) The composition of claim 2, wherein the oxidizing agent is hydrogen peroxide and the medium is deionized water.

4. (Currently amended) The composition of claim 1, wherein the abrasive is a member selected from the group consisting of alumina, titania, zirconia, germania, silica, ceria and mixtures thereof, the at least one stabilizer comprises B at least one member selected from the group consisting of B, W and Al, and the at least one catalyst comprises at least one member selected from the group consisting of Cu, Fe, Mo, Mn, Ti, W and V.

5. (Currently amended) The composition of claim 1 A composition comprising an abrasive having a surface on which at least one stabilizer and at least one catalyst are bonded, wherein the abrasive is a member selected from the group consisting of alumina, titania, zirconia, germania, silica, ceria and mixtures thereof, the at least one stabilizer comprises at least one member selected from the group consisting of B, W and Al, and the at least one catalyst comprises at least one member selected from the group consisting of Cu, Fe, Mn, Ti, W and V, provided that the at least one stabilizer and the abrasive particle are not alumina at least one catalyst are not simultaneously W.

6. (Currently amended) The composition of claim 4 5, wherein the abrasive particle is colloidal silica.

7. (Currently amended) The composition of claim 4 5, wherein the abrasive particle comprises colloidal silica stabilizer is Boron.

8. (Currently amended) The composition of claim 4 5, wherein the catalyst is comprises Fe, Cu , or mixture thereof or W.

9. (Currently amended) The composition of claim 4 5, wherein the abrasive particle is silica, the at least one stabilizer is B and the at least one catalyst is comprises Fe.

10. (Currently amended) The composition of claim 4 5, wherein the abrasive is silica, the at least one stabilizer is B and the at least one catalyst is comprises Cu.

11. (Currently amended) The composition of claim 5, wherein the abrasive is silica, the at least one stabilizer is W and the at least one catalyst is comprises Fe Cu , or mixture thereof.

12. (Currently amended) A polishing composition for use in combination with an oxidizing agent for polishing a substrate, said composition comprising:

an abrasive particle having a surface on which are bonded at least one stabilizer and at least one catalyst, are bonded provided that the at least one stabilizer differs both from the at least one catalyst and from the abrasive particle;

an oxidizing agent; and

a medium in which the abrasive and the oxidizing agent are contained,

wherein the at least one catalyst is adapted to catalyze catalyzes an oxidation reaction of the oxidizing agent with a substrate, and wherein the stabilizer is bonded to the abrasive prior to or simultaneously with the bonding the catalyst to the abrasive.

13. (Currently amended) The composition of claim 12, wherein the abrasive is a member selected from the group consisting of alumina, titania, zirconia, germania, silica, ceria and mixtures thereof, the at least one stabilizer comprises at least one member selected from the group consisting of boric acid, tungstate, and a stabilizer comprising Al, B, W and Al, the at least one catalyst comprises at least one member selected from the group consisting of Cu and Fe, wherein the stabilizer is bonded to the abrasive prior to the bonding the catalyst to the abrasive, Fe, Mn, Ti, W and V, and the oxidizing agent is at least one member selected from the group consisting of periodic acid, hydrogen peroxide and urea-hydrogen peroxide.

14. (Currently amended) The composition of claim 12, wherein the abrasive is silica, at least one stabilizer is comprises Boron, and at least one catalyst is Fe and the oxidizing agent is hydrogen peroxide.

15. (Currently amended) The composition of claim 12, wherein the abrasive is silica, the at least one stabilizer is comprises Boron, and at least one catalyst is Cu and the oxidizing agent is hydrogen peroxide.

16. (Currently amended) The composition of claim 12, wherein the abrasive is silica, the at least one stabilizer is W comprises tungstate, the at least one catalyst is Fe and the oxidizing agent is hydrogen peroxide.

17-26. (cancelled).

27. (Original) The composition of claim 2 wherein the composition is substantially free of soluble metal catalysts.

28. (New) The composition of claim 1 wherein the abrasive is a member selected from the group consisting of alumina, titania, zirconia, germania, silica, ceria and mixtures thereof, the at least one stabilizer comprises P, and the at least one catalyst comprises at least one member selected from the group consisting of Cu and Fe.

29. (New) The composition of claim 12, wherein the abrasive is a member selected from the group consisting of alumina, titania, zirconia, germania, silica, ceria and mixtures thereof, the at least one stabilizer comprises P, the at least one catalyst comprises Cu or Fe, and the stabilizer is bonded to the abrasive prior to the bonding the catalyst to the abrasive.

30. (New) The composition of claim 12, wherein the abrasive is a member selected from the group consisting of alumina, titania, zirconia, germania, silica, ceria and mixtures thereof, the at least one stabilizer comprises W in the form of tungstate, the at least one catalyst comprises Cu or Fe, and the stabilizer is bonded to the abrasive prior to the bonding the catalyst to the abrasive.

31. (New) The composition of claim 12, wherein the abrasive is a member selected from the group consisting of alumina, titania, zirconia, germania, silica, ceria and mixtures thereof, the at least one stabilizer comprises P, and the at least one catalyst comprises at least one member selected from the group consisting of Cu and Fe, wherein the P-containing stabilizer is bonded to the abrasive prior to bonding the catalyst to the abrasive.

32. (New) The composition of claim 12, wherein the abrasive is a member selected from the group consisting of alumina, titania, zirconia, germania, silica, ceria and mixtures thereof, the at least one stabilizer comprises B in the form of boric acid, and the at least one catalyst comprises at least one member selected from the group consisting of Cu and Fe, wherein the borate is bonded to the abrasive prior to bonding the catalyst to the abrasive.

33. (New) The composition of claim 12, wherein the abrasive is a member selected from the group consisting of alumina, titania, zirconia, germania, silica, ceria and mixtures thereof, the at least one stabilizer comprises B in the form of boric acid, the at least one catalyst comprises at least one member selected from the group consisting of Cu and Fe, and wherein the abrasive particles have a positive zeta potential.

34. (New) The composition of claim 12, wherein the abrasive is a member selected from the group consisting of alumina, titania, zirconia, germania, silica, ceria and mixtures thereof, the at least one stabilizer comprises Al, and the at least one catalyst comprises at least one member selected from the group consisting of Cu and Fe, wherein the Al-containing stabilizer is bonded to the abrasive prior to bonding the catalyst to the abrasive.